

# WODEN PLANES

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## INSTRUCTION LEAFLET

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*Please keep for reference*

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**WODEN TOOLS LTD.**

**WODEN WORKS**

**WEDNESBURY**

**ENGLAND**

*Telegrams:*

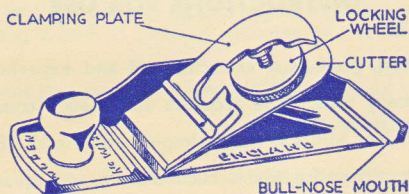
Woden, Wednesbury

*Telephone:*

James Bridge 3166

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## WOODEN BLOCK PLANES

W.110	Length 7"	Cutter $1\frac{5}{8}"$	Single ended
W.130	Length 8"	Cutter $1\frac{5}{8}"$	Double ended

These handy little tools are indispensable for cleaning up end grain, for cross grain planing on tough timber, cleaning up glued joints after assembly, and home and general workshop use.

The cutter should be honed to a cutting edge of  $30^\circ$  and should always be used in the plane bevel side up.

To adjust the cut, slacken off the locking wheel, set the cutter by hand and re-tighten.

The W.130, as illustrated, has an alternative position for the cutter which permits its use as a bull-nose plane.

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## REMEMBER

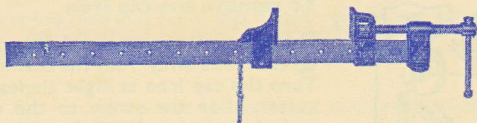
Always keep your cutter sharp.

Two thin shavings are better than one thick one.

Work with the grain rather than against it.

A little cycle oil on the sole of your plane will sweeten the job.

## COMPLETE YOUR WORKSHOP EQUIPMENT WITH WODEN TOOLS



WODEN STEEL SASH CRAMPS are invaluable when glueing up framing and for general woodwork construction.

Cat. No. 104—Steel Bar Section  $1\frac{1}{4}'' \times \frac{1}{4}''$

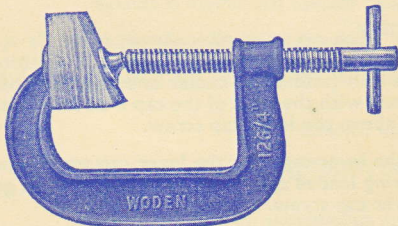
„ No. 105—Steel Bar Section  $1\frac{1}{2}'' \times \frac{5}{16}''$

„ No. 113—Light Pattern T Bar Section  $1\frac{3}{4}'' \times \frac{5}{8}''$

„ No. 112—Heavy Pattern T Bar Section  $2\frac{5}{8}'' \times \frac{7}{8}''$

Manufactured in the following Bar Lengths:—

104	24" 30" 36" 42" 48"	Maximum take in size in all lengths is 6" less than bar length.
105	24" 30" 36" 42" 48" 54" 60"	
113	24" 30" 36" 42" 48" 54" 60" 66" 72"	
112	36" 42" 48" 54" 60" 66" 72" 78" 84" 90" 96"	

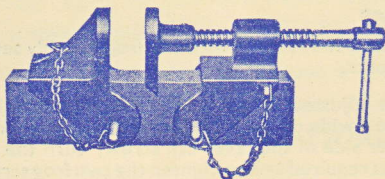


### WODEN RIBBED G CRAMPS No. 126

Malleable Iron Frames with steel screws and handles, fitted with swivel shoes which adapt themselves to any angle of grip.

To take in—2, 3, 4, 5, 6, 8, 10 and 12 inches.

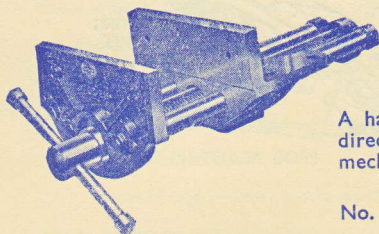
### WODEN CRAMP HEADS No. 233



An inexpensive means of furnishing Sash Cramps.

Made to fit 1" timber.

## WODEN VICES FOR THE WOODWORKER



### THE WODEN IDEAL No. 189

The Aristocrat of Quick-Action Vices.

A half turn in an anti-clockwise direction brings the quick release mechanism into instant action.

Width of Jaws

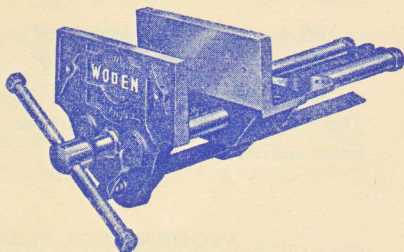
No. 1—7", No. 1A—8", No. 2—9"  
No. 3—10½"

### THE WODEN QUICK RELEASE No. 189B

Standard Trigger Instantaneous Grip

Width of Jaws

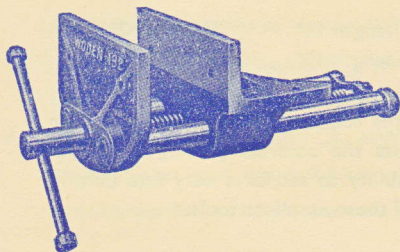
No. 1—7", No. 2—9",  
No. 3—10½".



### THE WODEN No. 192

The Light Woodworkers' Vice which will satisfy the needs of the home Craftsman at a low price.

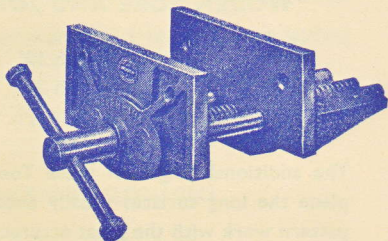
Width of Jaws: 7". Will open to 6½".



### THE WODEN CADET No. 194

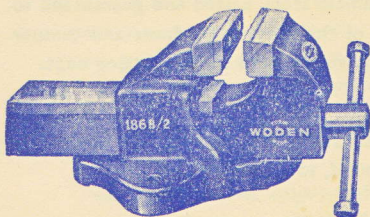
A sturdy inexpensive Vice for the amateur.

Width of Jaws: 6". Will open to 4½".





## WODEN VICES FOR THE ENGINEER



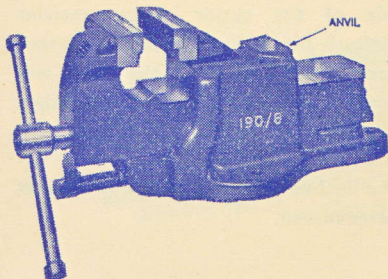
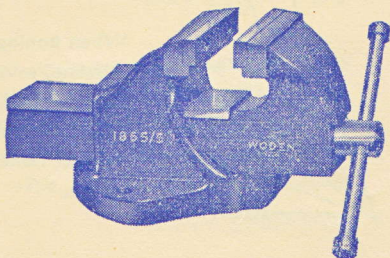
### THE WODEN 186B MECHANICS' VICE

The most popular vice for home and workshop use. Width of Jaws available from  $2\frac{1}{4}$ " to 7".

### THE WODEN 186S VICE

WODEN Guaranteed Un-breakable Castings.

Width of Jaws  
No. 3—4", No. 5—5"  
No. 6—6"



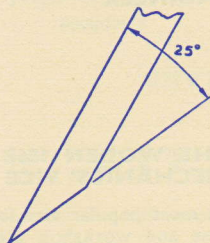
### HEAVY DUTY UN-BREAKABLE VICES

The WODEN 190 with instantaneous grip.

The WODEN 190A with plain screw.

Width of Jaws  
No. 7— $4\frac{1}{2}$ ", No. 8— $5\frac{1}{4}$ "  
No. 8A—6", No. 9A—7".

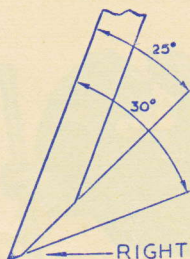
## FIRST SHARPEN THE CUTTER



Woden plane irons are of the finest Sheffield steel, tested and guaranteed to be of the correct hardness and temper required to hold a keen cutting edge.

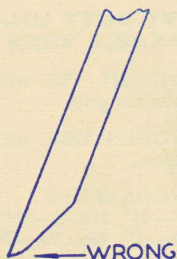
The cutting iron is supplied, accurately ground, to an angle of 25°.

Before using, the cutter should be honed on an oilstone so that the final cutting edge is at an angle of 30°.

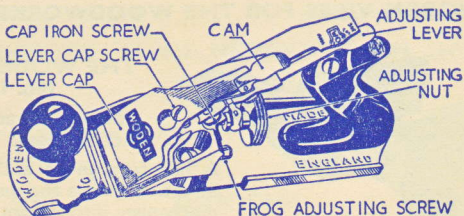


When honing—lay the bevel flat on the oilstone, raise the iron slightly and rub, being careful to keep the hands parallel with the stone throughout the operation and to hone the entire width of the cutter.

When the edge has been sharpened, remove the burr by rubbing the blade on its flat side, on the oilstone, for a few strokes. Take great care that the flat side of the cutter always remains perfectly flat. A few strokes on a leather strop or the palm of the hand will finally produce a really keen cutting edge.



The final bevel should always be straight never curved.



## WODEN SMOOTHING PLANES

W.4	length 9"	Cutter 2"
W.4½	length 10"	Cutter 2¾"

The most popular general-purpose smoothing planes for home and workshop use.

## WODEN JACK PLANES

W.5	length 14"	Cutter 2"
W.5½	length 15"	Cutter 2¾"

These planes will take the coarsest cut with ease and their additional length permits the accurate planing of timber from the rough. The ability to set for a very fine shaving adds to the versatility of these excellent tools.

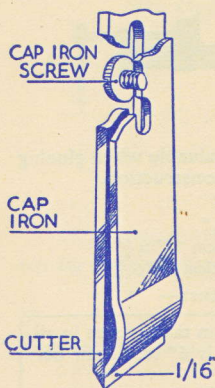
## WODEN FORE AND JOINTER PLANES

W.6	length 18"	Cutter 2¾"
W.7	length 22"	Cutter 2¾"

The additional length of these Tools makes it possible to plane the long surfaces usually encountered in cabinet and pattern work with the great accuracy which is required.



## INSTRUCTIONS FOR USE



### To remove the cap iron

Slacken cap iron screw and slide cap iron up the blade away from the cutting edge. Turn the cap iron at right angles to the cutter, slide the screw to the circular end of the slot and withdraw.

After honing the cutter assemble in the reverse manner, always taking care not to foul the cutting edge with the cap iron. The cap iron is fitted to the flat side of the cutter.

Adjust the cap iron so that it is  $\frac{1}{16}$ " from the cutting edge and tighten screw. The purpose of the cap iron is to clear shavings from the mouth of the plane. When taking a very fine cut, particularly when planing across the grain, set the cap iron  $\frac{1}{32}$ " from the cutting edge to reduce the risk of tearing the grain.

### Assembly

With the adjusting lever in a central position place the double iron (assembled cutter and cap iron) over the lever cap screw with the head of the cap iron screw fitting into the recess above the lever cap screw.

Place the lever cap over the lever cap screw, and snap down the spring loaded cam. If this should be slack, gently tighten the lever cap screw.

### Adjusting for cut

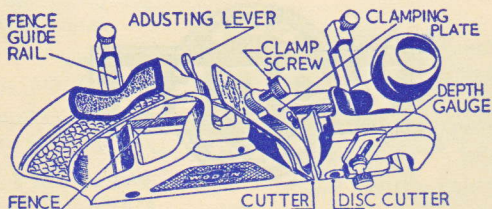
The adjusting nut is now turned clockwise for a coarse cut—anti-clockwise for a fine cut. Check that the cutter is parallel with the mouth of the plane and correct any deviation by moving the adjusting lever to the left or right.

### Frog adjustment

Woden planes leave the Factory with the frog suitably set for all general purposes.

The frog can be adjusted forward to give a fine mouth or backward to give a wide mouth. Loosen the two frog screws situated on either side of the lever cap screw; turn the frog adjusting screw as required and re-tighten the two frog screws.





## THE WODEN W.78 RABBET AND FILLISTER PLANE

### Assembly

Hone the cutter to a keen edge. Replace the cutter—notched side down—so that the cutting edge is parallel with the mouth and the right-hand side of the cutter is level with plane body. Mount the clamping plate, slightly tighten the clamp screw and check the cutter setting for alignment.

### Adjustment for cut

The adjusting lever will raise or lower the cutter to give a fine or coarse shaving. Having set this lever to give the required cut, tighten the clamp screw. It is advisable to loosen the clamp screw slightly before making further use of the adjusting lever. Re-tighten after re-setting the cut.

### Assembling the fence and depth gauge

Screw home the two guide rails in the holes provided on the left of the plane body. This is the normal fitting. Provision is made for mounting the rails on the right-hand side when the work demands it. Mount the fence on the rails with the machined face towards the plane. Mount the depth gauge with the screw provided in the tapped hole drilled above the disc cutter.

The plane is now ready for use.

## INSTRUCTIONS FOR USE

The W.78 will cut rebates up to  $1\frac{1}{2}$ " wide to any depth.

**Depth of cut** up to  $\frac{7}{8}$ " is controlled by setting the depth gauge the required distance from the sole of the plane.

**Width of Cut** up to  $1\frac{1}{2}$ " is controlled by setting the fence to the required width from the right-hand side of the plane. To plane a rebate wider than  $1\frac{1}{2}$ ", nail a straight-edged batten along the length of the board at the desired rebate width from the edge of the board. Use the W.78 without the fence, the batten acting as a guide and cut to depth. Assemble the fence and take the second cut to the edge of the board.

**Cross Grain Work.** To avoid tearing the grain, slacken the disc cutter so that the corner where the flat edge meets the round projects approximately  $\frac{1}{32}$ " below the sole and tighten.

When using the W.78 to plough a  $1\frac{1}{2}$ " housing across the grain—or to rebate a greater width than  $1\frac{1}{2}$ " across the grain—it is advisable to saw a cut the required depth,  $1\frac{1}{2}$ " from the straight-edged batten, to avoid tearing the grain.

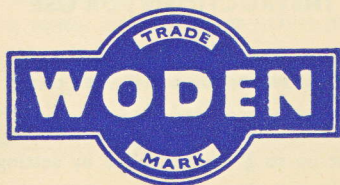
**Alternative Cutting Position.** The W.78 is provided with a bull-nose mouth to facilitate planing close up to an obstruction. To set the cutter in the forward position, remove the wooden handle and replace the screw which will now serve to hold the clamping plate. Mount the cutter and clamping plate and set by hand.

## INSTRUCTIONS FOR USE

The Woden W.78 is a versatile tool and experiment will suggest many uses. The accurate and speedy construction of halved butt joints is made simple with the W.78. Minus the fence rails and guide it becomes a handy square plane. The following hints will be of value to the user:—

- (1) Check when setting the cutter that its edge projects evenly throughout its width.
- (2) When honing the cutter—hone it square—do not round off the corners.
- (3) Ensure that the edge of the board is planed square and true. Keep the fence tight against the edge of the board to make certain the rebate is square.
- (4) Do not attempt to plane the full length of the rebate in one stroke. Start at the further end of the cut and work backwards.
- (5) When working a stopped rebate—chisel out the further end first—a thin piece of plywood inserted at the stop end will prevent damaging the stop when planing out the full length.
- (6) When working across the grain, saw-cuts at each end will lessen the risk of breaking out the wood.
- (7) The cutting point of the disc cutter is where the flat meets the round. When this point becomes blunt a few strokes along the flat with a small file will renew it.
- (8) If you drop your plane on a hard floor it may break.





WODEN TOOLS ARE MADE IN ENGLAND BY SKILLED WORKMEN FROM THE FINEST MATERIALS OBTAINABLE. THEY ARE GUARANTEED TO GIVE LONG AND LASTING SERVICE AND SATISFACTION. FOR OVER 100 YEARS WODEN HAS BEEN THE CHOICE OF THE DISCRIMINATING CRAFTSMAN WHO DEMANDS THE BEST.

CATALOGUES AND PRICE LISTS MAY BE HAD ON APPLICATION TO THE MANUFACTURERS OR FROM YOUR TOOL DEALER.

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